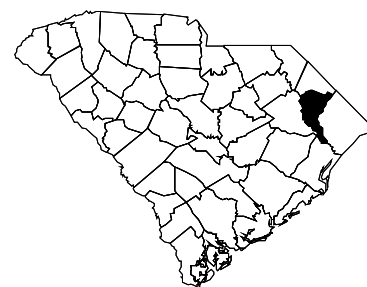


IMPACT OF CHRONIC CONDITIONS MARION County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Marion county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Marion county's population is similar to the state population. The majority (36%) of the population in Marion county are between the ages of 18-44, and there are more females (54%) than males (46%). Marion county has a higher minority population (57%) than the state (31%). When adults in DHEC's Region 4, which includes Marion County, were asked about their general health status, 79.1% reported having excellent, very good, or good health in 2005 (SC was 82%).

	MARION COUNTY	STATE
Population size	34,904	4,255,083
Age distribution (%)		
<18	25	24
18-44	36	38
45-64	27	25
65-84	11	11
85+	2	2
Race (%)		
White	43	69
Black & Other	57	31
Sex (%)		
Male	46	49
Female	54	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Marion County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	26	22
Sedentary lifestyle	28	26
Overweight	74	65
High Cholesterol	45	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.40% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	43.8	.	.	.	.	31.7
Number of hospitalizations	140	117	23	52	88	5,032
Crude rate of hospitalizations (per 100,000)	401	588	153	322	469	118
Median age of hospitalized patients	57	57	72	57	57	57
Total cost of hospitalization (\$)	2,961,500	2,564,500	397,000	1,271,300	1,690,200	109,400,500
Average length of hospital stay (days)	5	6	5	5	6	5
Number of ED visits	67	49	18	25	42	7,466
Crude rate of ED visits (per 100,000)	192	246	120	155	224	175
Median age of ED patients	57	57	65	57	62	52
Total cost of ED visits (\$)	84,000	66,300	17,700	47,500	36,500	9,929,000
Number of deaths**	4	3	1	4	-	423
Age-Adjusted Death rate (per 100,000)**	13	19	5	30	-	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.3	.	.	.	.	4.1
Number of hospitalizations	852	411	441	392	460	60,901
Crude rate of hospitalizations (per 100,000)	2,441	2,065	2,939	2,427	2,453	1,431
Median age of hospitalized patients	67	62	72	62	72	67
Total cost of hospitalization (\$)	23,692,600	10,515,100	13,177,500	12,441,000	11,251,600	2,286,836,400
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ED visits	130	71	59	70	60	12,989
Crude rate of ED visits (per 100,000)	372	357	393	433	320	305
Median age of ED patients	65	67	62	65	65	62
Total cost of ED visits (\$)	342,500	166,500	176,000	209,500	133,000	42,115,900
Number of deaths**	117	64	53	58	59	9,328
Age-Adjusted Death rate (per 100,000)**	317	368	285	424	253	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.5	.	.	.	.	3
Number of hospitalizations	207	112	95	84	123	13,925
Crude rate of hospitalizations (per 100,000)	593	563	633	520	656	327
Median age of hospitalized patients	67	67	67	62	72	72
Total cost of hospitalization (\$)	3,858,300	2,095,700	1,762,600	1,743,100	2,115,200	384,441,600
Average length of hospital stay (days)	6	6	5	6	5	6
Number of ED visits	27	14	13	12	15	2,515
Crude rate of ED visits (per 100,000)	77	70	87	74	80	59
Median age of ED patients	62	70	62	62	62	67
Total cost of ED visits (\$)	76,000	37,800	38,200	33,400	42,600	9,113,000
Number of deaths**	29	19	10	16	13	2,440
Age-Adjusted Death rate (per 100,000)**	78	111	52	116	53	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	317	159	158	115	202	15,753
Crude rate of hospitalizations (per 100,000)	908	799	1,053	712	1,077	370
Median age of hospitalized patients	62	57	67	57	62	62
Total cost of hospitalization (\$)	4,308,300	2,161,100	2,147,200	1,371,400	2,936,900	268,425,300
Average length of hospital stay (days)	5	5	5	4	5	5
Number of ED visits	455	328	127	208	247	36,543
Crude rate of ED visits (per 100,000)	1,304	1,648	846	1,288	1,317	859
Median age of ED patients	37	37	52	37	42	37
Total cost of ED visits (\$)	404,200	251,600	152,600	189,000	215,200	40,613,700
Number of deaths**	18	1	17	7	11	1,968
Age-Adjusted Death rate (per 100,000)**	50	7	93	59	46	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	12.2	.	.	.	.	10.3
Number of hospitalizations	206	151	55	112	94	9,027
Crude rate of hospitalizations (per 100,000)	590	759	367	693	501	212
Median age of hospitalized patients	57	52	57	57	57	52
Total cost of hospitalization (\$)	3,207,200	2,319,400	887,800	1,578,500	1,628,700	179,747,700
Average length of hospital stay (days)	5	6	5	5	6	6
Number of ED visits	101	75	26	35	66	9,603
Crude rate of ED visits (per 100,000)	289	377	173	217	352	226
Median age of ED patients	62	57	72	57	62	52
Total cost of ED visits (\$)	117,700	86,400	31,300	45,700	72,000	13,447,300
Number of deaths**	11	8	3	3	8	1,183
Age-Adjusted Death rate (per 100,000)**	30	46	15	19	35	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	192	91	101	108	84	16,389
Crude rate of hospitalizations (per 100,000)	550	457	673	669	448	385
Median age of hospitalized patients	62	62	67	62	62	62
Total cost of hospitalization (\$)	5,669,400	2,737,700	2,931,700	2,972,800	2,696,600	664,309,500
Average length of hospital stay (days)	7	8	7	8	7	8
Number of deaths**	78	37	41	36	42	8,617
Age-Adjusted Death rate (per 100,000)**	210	206	212	259	192	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	28	18	10	20	8	2,070
Crude rate of hospitalizations (per 100,000)	80	90	67	124	43	49
Median age of hospitalized patients	65	62	67	67	60	67
Total cost of hospitalization (\$)	1,018,900	654,500	364,400	767,400	251,500	101,377,700
Average length of hospital stay (days)	11	12	8	12	7	10
Number of deaths**	6	4	2	4	2	812
Age-Adjusted Death rate (per 100,000)**	15	21	11	25	8	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	13	7	6	-	13	1,228
Crude rate of hospitalizations (per 100,000)	69	65	74	.	106	56
Median age of hospitalized patients	62	62	67	-	62	62
Total cost of hospitalization (\$)	164,100	77,500	86,600	-	164,100	26,163,000
Average length of hospital stay (days)	2	2	3	-	2	3
Number of deaths**	12	2	10	-	12	651
Age-Adjusted Death rate (per 100,000)**	59	22	100	-	59	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	3	2	1	-	3	192
Crude rate of hospitalizations (per 100,000)	16	19	12	-	16	9
Median age of hospitalized patients	57	67	57	-	57	47
Total cost of hospitalization (\$)	58,000	43,300	14,700	-	58,000	4,668,500
Average length of hospital stay (days)	3	3	4	-	3	4
Number of deaths**	1	1	-	-	1	63
Age-Adjusted Death rate (per 100,000)**	5	9	-	-	5	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	24	5	19	14	10	2,181
Crude rate of hospitalizations (per 100,000)	69	25	127	87	53	51
Median age of hospitalized patients	62	47	62	62	65	67
Total cost of hospitalization (\$)	565,000	102,000	463,000	326,300	238,700	92,775,300
Average length of hospital stay (days)	8	7	8	9	6	9
Number of deaths**	15	5	10	9	6	2,703
Age-Adjusted Death rate (per 100,000)**	40	27	49	67	28	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	16	12	4	16	-	1,209
Crude rate of hospitalizations (per 100,000)	99	130	58	61	-	58
Median age of hospitalized patients	60	57	65	60	-	62
Total cost of hospitalization (\$)	257,900	173,300	84,600	257,900	-	30,356,600
Average length of hospital stay (days)	4	4	5	4	-	4
Number of deaths**	3	3	-	3	-	460
Age-Adjusted Death rate (per 100,000)**	28	67	-	28	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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